

## **Research and options of practical solution of software systems compatibility problem**

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### **Abstract**

© 2016, International Journal of Pharmacy and Technology. All rights reserved. This paper provides the results of the study on definition of a software conceptual scheme designed for automation of a process of original application code migration into the current versions of libraries used there. The basic artifacts involved in this process were found. The architectural requirements for the software which supports an application source code migration between different versions of libraries are developed. Specifications, functions and interactions between the main components of the software considered are represented.

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### **Keywords**

Backward software compatibility problem, Code generation, Code transformation, Computer word processing, Software systems compatibility